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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	10/677,269
Filing Date	10/03/2003
First Named Inventor	Kim Roberts
Art Unit	~~2633~~ 2613
Examiner Name	Hanh Phan
Attorney Docket Number	9-13528-208US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/HP/		US- 5,349,312	09/20/1994	Huettner, S. et al	None
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Examiner Signature	/Hanh Phan/	Date Considered	03/29/2007

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
/HP/		SADHWANI, Ram et al "Adaptive CMOS Predistortion Linearizer for Fiber-Optic Links", Journal of Lightwave Technology, December 2003, pages 3180-3193,Vol. 21, No. 12., U.S.A.	
/HP/		ANDRE, P.S. et al "Extraction of DFB Laser Rate Equations Parameters for Optical Simulation Purposes", Conftele 99 ISBN 972-98115-0-4, pages 561-564	
/HP/		ILLING, Lucas et al "Shaping current waveforms for direct modulation of semiconductor lasers", Institute for Nonlinear Science, 2003, San Diego, U.S.A.	
/HP/		WATTS, P.M. et al "Demonstration of Electrical Dispersion Compensation of Single Sideband Optical Transmission", Optical Networks Group, Dept. of Electronic and Electrical Engineering, University College London, Torrington Place, London.	
/HP/		KIM, Hoon et al "10 Gbit/s 177 km transmission over conventional singlemode fibre using a vestigial side-band modulation format", Electronics Letters, Dec. 6, 2001, pages 1533-1534, Vol. 37, No. 25	
/HP/		BULOW, Henning et al "Dispersion Mitigation Using a Fiber-Bragg-Grating Sideband Filter and a Tunable Electronic Equalizer", WDD34, pages 1-4,	
/HP/		SIEBEN, M. et al "10Gbit/s optical single sideband system", Electronics Letters, May 22, 1997, pages 971-973, Vol. 33, No. 11	
/HP/		SCHAFFER, Troy A. et al "A 2GHz 12-bit Digital-to-Analog Converter for Direct Digital Synthesis Applications", GaAs IC Symposium, pages 61-64	
/HP/		KAMOTO, T. et al "An 8-bit 2-ns Monolithic DAC", IEEE Journal of Solid-State Circuits, February 1988, Vol. 23, No. 1	

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Filing Date	October 3, 2003
First Named Inventor	ROBERTS, Kim B.
Art Unit	~~2633~~ 2613
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Attorney Docket Number	9-13528-208US

U. S. PATENT DOCUMENTS

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/HP/		US- 2003/011847	01-16-2003	Dai Fa et al.	None
		US-			
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/HP/		EP 1 237 307	09/04/2002	FUJITSU LTD.	None	
/HP/		EP 0 524 758	01/27/1993	AMERICAN TELEPHONE & TELEGRAPH	None	
/HP/		WO 02/43340	05/30/2002	BROADCOM CORP; AGAZZI OSCAR E (US))	None	

Examiner Signature	/Hanh Phan/	Date Considered	03/29/2007

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/HP/		Feldhaus, G: "Volterra Equalizer for Electrical for Electrical Compensation of Dispersion and Fiber Nonlinearities", Journal of Optical Communications, Fachverlag Schiele & Schon, Berlin, De, vol. 23, no. 3, June 2002, pages 82-84, XP001130377, ISSN: 0173-4911	

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First Named Inventor	Kim B. ROBERTS
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Examiner Name	Hanh Phan
Attorney Docket Number	9-13528-208US

U. S. PATENT DOCUMENTS

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/HP/		US- 5,148,503	09-15-1999	Skeie	None
/HP/		US- 5,311,346	05-10-1994	Haas et al.	None
/HP/		US- 5,408,498	04-18-1995	Yoshida	None
/HP/		US- 5,416,626	05-16-1995	Taylor	None
/HP/		US- 5,513,029	04-30-1996	Roberts	Whole Document
/HP/		US- 5,579,328	11-26-1996	Habel et al.	None
/HP/		US- 5,761,225	06-02-1998	Fidric et al.	None
/HP/		US- 5,892,858	04-06-1999	Vaziri et al.	None
/HP/		US- 5,949,560	09-07-1999	Roberts et al.	Whole Document
/HP/		US- 5,999,258	12-07-1999	Roberts	Whole Document
/HP/		US- 6,067,180	05-23-2000	Roberts	Whole Document
/HP/		US- 6,115,162	09-05-2000	Graves et al.	None
/HP/		US- 6,124,960	09-26-2000	Garthe et al.	None
/HP/		US- 6,128,111	11-03-2000	Roberts	Whole Document
/HP/		US- 6,205,262	03- 20-2001	Shen	None
/HP/		US- 6,262,834	07-17, 2001	Nichols et al.	None
/HP/		US- 6,304,369	10-16-2001	Piehler	None
/HP/		US- 6,441,932	08-27,-2002	Helkey	None
/HP/		US- 6,473,013	10- 29,-2002	Velazquez et al.	None

FOREIGN PATENT DOCUMENTS

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/HP/		PCT WO 01/03339	01/11/2001	KONINKLIJKE PHILIPS ELECTRONICS N.V	None	
/HP/		PCT WO 01/91342	11/29/2001	PURDUE RESEARCH FOUNDATION	None	
/HP/		EP 1 223 694	07/17/2002	FUJITSU LIMITED	None	
/HP/		EP 0 971 493	01/12/2000	FUJITSU LIMITED	None	

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/HP/		US- 6,559,994	05-06-2003	Chen et al.	None
/HP/		US- 6,580,532	06-17-2003	Yao et al.	None
/HP/		US- 2002/106148	08-08-2002	SCHEMMANN ET AL.	None
/HP/		US- 2002/0024694	02-28-2002	NEWELL ET AL.	None
/HP/		US- 2002/0018268	02/14/2002	PRICE ET AL.	None
/HP/		US- 2001/0028760	11/11/2002	YAFFE	None
/HP/		US- 5,446,574	09/29/1995	DJUPSJOBACKA, et al.	None
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/HP/		Adaptive Electronic Linearization of Fiber Optic Links, OFC 2003, Vol. 2, pp. 477-480, March 2003 Sadhwani et al.	
/HP/		Automated Measurement of Polarization Mode Dispersion Using Jones Matrix Eigenanalysis, IEE Photonics	
/HP/		Technology Letters, Vol. 4, No. 9, pp. 1066-1069, September 1992, Heffner	
/HP/		Chromatic Dispersion Mapping by Sensing the Power Distribution of Four-Wave Mixing Along the Fiber Using Brillouin Probing, OFC 2003, Vol. 2, pp. 714-716, Herraez et al.	
/HP/		Design of Broad-Band PMD Compensation Filters, IEEE Photonics Technology Letters, Vol. 14, No. 8, August 2002, A. Eyal et al.	
/HP/		Dispersion Compensation by Active Predistorted Signal Synthesis, Journal of Lightwave Technology, Vol. LT-3, No. 4, August 1985, Thomas L. Koch and Rod C. Alferness	
/HP/		Dispersion Compensation with an SBS-Suppressed Fiber Phase Conjugator Using Synchronized Phase Modulation, OFC 2003, Vol. 2, pp. 716-717, M. Tani	
/HP/		Electrical Signal Processing Techniques in Long-Haul Fiber-Optic Systems, 1990 IEEE-Transactions on Communications, Vol. 38, No. 9, Jack H. Winters, et al.	
/HP/		Exact Compensation for both Chromatic Dispersion and Kerr Effect in a Transmission Fiber Using Optical Phase Conjuction, Journal of Lightwave Technology, Vol. 14, No. 3, March	
/HP/		High-Dynamic-Range Laser Amplitude and Phase Noise Measurement Techniques, IEEE Journal on Selected Topics in Quantum Electronics, Vol. 7, No. 4, July/August 2001, Ryan P. Sc	

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NON PATENT LITERATURE DOCUMENTS

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/HP/		Measurement of High-Order Polarization Mode Dispersion, IEEE Photonics Technology Letters, Vol. 12, No. 7, July 2000, Yi Li et al.	
/HP/		Mitigation of Dispersion-Induced Effects Using SOA in Analog Optical Transmission, IEEE Photonics Technology Letters, Vol. 14, No. 8, August 2002, Duk-Ho Jeon et al.	
/HP/		Performance of Smart Lightwave Receivers With Linear Equalization, Journal of Lightwave Technology, Vol. 10, No. 8, August 1992, John C. Cartledge, et al.	
/HP/		Polarization Effects in Lightwave Systems, Craig. D. Poole and Jonathan Nage. Date unknown.	
/HP/		Polarization Modulated Direct Detection Optical Transmission Systesm, Journal of Lightwave Technology, Vol. 10, No. 12, December 1992	
/HP/		Predistortion of Electroabsorption Modulators for Analog CATV Systems at 1.55 •m, Journal of Lightwave Technology, Vol. 15, No. 9, September 1997, Gordon C. Wilson et al.	
/HP/		Predistortion Techniques for Linearization of External Modulators, 1999 IEEE – Gordon Wilson, Lucent Technologies, NJ 07733, U.S.A.	
/HP/		Reduction of Dispersion-Induced Distortion in SCM Transmission Systems by Using Predistortion-Linearized MQW-EA Modulatirs, Journal of Lighwave Technology, Vol. 15, No. 2, Fe	
/HP/		Representation of Second-Order Polarisation Mode Dispersion, Electronics Letters, Vol. 35, No. 19, September 16, 1999, A. Eyal et al.	
/HP/		Signal Distortion and Noise in AM-SCM Transmission Systems Employing the Feedfrorward Linearized MQW-EA External Modulator, Journal of Lightwave Technology, Vol. 15, No. 8, Aug. 1995, T. Iwai et al.	

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Sheet 3 of 3

Complete if Known	
Application Number	10/677,269
Filing Date	10/03/2003
First Named Inventor	Kim B. ROBERTS
Art Unit	~~2633~~ 2613
Examiner Name	Hanh Phan
Attorney Docket Number	9-13528-208US

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/HP/		Soliton Transmission Using Periodic Dispersion Compensation, Journal of Lightwave Technology, Vol. 15, No. 10, October 1997, Nicholas J. Smith et al.	
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